



# ASBESTOS AIR ANALYSIS

By: PHASE CONTRAST MICROSCOPY

**Client:** SAQ Environmental Engineers, Inc.  
PO Box 155  
Manati, PR 00674

**CEI Lab Code:** P14-1610  
**Date Received:** 07-07-14  
**Date Analyzed:** 07-07-14  
**Date Reported:** 07-07-14

**Project:** Jose I Perez Valdivieso School; HOMECA

## ASBESTOS FIBER COUNT, NIOSH 7400 METHOD

Client ID	Lab ID	Volume (Liters)	Fibers	Fields	Fibers / cc
HOM-070214-A-FB-01 Field Blank	P94229	Blank	0	100	
HOM-070214-A-FB-02 Field Blank	P94230	Blank	0	100	
HOM-070214-A-CR19-03	P94231	5970	12	100	<b>0.00099</b>
HOM-070214-A-CR19-04	P94232	6015	17	100	<b>0.0014</b>
HOM-070214-A-CR19-05	P94233	6135	2	100	<b>&lt; 0.00044</b>
HOM-070214-A-CR2-06	P94234	4755	14	100	<b>0.0014</b>
HOM-070214-A-CR2-07	P94235	4875	14	100	<b>0.0014</b>
HOM-070214-A-CR2-08	P94235	4875	16	100	<b>0.0016</b>
HOM-070214-A-CR20-09	P94236	4995	10.5	100	<b>0.001</b>
HOM-070214-A-CR20-10	P94237	5025	10	100	<b>0.00098</b>
HOM-070214-A-CR20-11	P94237	5070	9	100	<b>0.00087</b>



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**REGULATORY LIMITS:** OSHA: Excursion Level (EL) is 1.0 fibers per cc based on a 30 minute sample.  
OSHA: Permissible Exposure Level (PEL) is 0.10 fibers per cc based on 8 hour TWA.  
EPA: Final Clearance Standard is 0.01 fibers per cc.

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**METHOD: NIOSH 7400, A RULES**

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Please note that the results have not been corrected for contamination based on the field blank or lab blank. The results relate only to the items tested. The overall relative standard deviation (Sr) for the lab = 0.20. The detection limit is 7 fibers/mm<sup>2</sup>. Samples were received in acceptable condition.

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A handwritten signature in black ink, appearing to read "Gary A. Swanson".

**ANALYST:** \_\_\_\_\_  
Gary A. Swanson

A handwritten signature in black ink, appearing to read "Tianbao Bai".

**APPROVED BY:** \_\_\_\_\_  
Tianbao Bai, Ph.D.  
Laboratory Director

AIHA IHLAP #103025

P14-1610



107 New Ed t on Court Cary NC 27511  
Tel: 866-481-1412; Fax: 919-481-1442

# CHAIN OF CUSTODY

LAB USE ONLY:
CEI Lab Code: P14-1610
CEI Lab I.D. Range: P94229 - P94237

11

COMPANY CONTACT INFORMATION	
Company: SAQ Environmental Engineers, Inc.	Client #:
Address: PO Box 155 Manati, PR 00674	Job Contact: Samuel A. Quinones
	Email: samuelq@saqee.com
	Tel: 787-374-6187
Project Name: Jose I Perez Valdivieso School	Fax:
Project ID #: HOMECA	P.O. #:

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR*	8 HR*	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAVIMETRIC	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	CEI LABS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD PAINT	METHOD	4 HR**	8 HR**	24 HR**	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD WIPE	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD SOIL	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD AIR	NIOSH 7082	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS: <i>Collected by Charles E. Chase</i>		<input checked="" type="checkbox"/> Accept Samples
		<input type="checkbox"/> Reject Samples
Relinquished By: <i>Charles E. Chase</i>	Date/Time: <i>July 2-14</i>	Received By: <i>[Signature]</i>
	<i>7/3/14 3:30P</i>	<i>7/2/14 2:30P</i>
		<i>7/7/14 10:30A</i>

\* Call to confirm RUSH analysis. Samples will be disposed of 90 days after analysis  
\*\*TAT's are not available. Lead samples are subcontracted for analysis to an ELLAP accredited lab.

